Message

From: Martinson, Mathew [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=07993C0BB86D42E4806A6EAE5184A611-MARTINSON,]
Sent: 2/28/2020 6:06:46 PM
To: Zanolli, Ashley [Zanolli.Ashley@epa.gov]
Subject: RE: Oregon PPA Language

Thank you! Perfect.

Mathew J. Martinson, P.E., BCEE
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U.S. EPA, Region 10
Phone: 206-553-6334 (Direct)

From: Zanolli, Ashley <Zanolli.Ashley@epa.gov>
Sent: Friday, February 28, 2020 8:58 AM
To: Martinson, Mathew <martinson.mathew@epa.gov>
Subject: RE: Oregon PPA Language

Hi Matt,

Sure thing. Here are the excerpts related to ground water and I attached the full document I sent to DEQ on 2/14 with EPA's comments if this isn't what you wanted:

The attached document shows track changes, which might be more helpful. Search for "groundwater" and you'll find these pieces. Looking forward to connecting with you at 1pm. Thanks again for making the trek to NE to meet with me.

Ashley

Element 3: Underground Injection Control DEQ contacts: Christine Svetkovich EPA contacts: Karen Burgess and Ryan Gross The Underground Injection Control program protects drinking water sources and aquifers by providing oversight on the use of injection systems (dry wells, sumps, large onsite wastewater treatment systems, geothermal, aquifer storage and recovery (ASR), remediation injection, etc.) that discharge to the subsurface and may endanger groundwater quality. Federal regulation requires DEQ to keep an updated inventory of all injection wells and report them to the EPA annually. In Oregon, the majority of injection systems are associated with stormwater discharge, large onsite wastewater, aquifer remediation, and industrial process/wastewater. Injection systems must obtain approval from DEQ to operate under Authorization by Rule, a UIC-WPCF permit, or must be formally closed. DEQ staff review and approve applications of a variety of injection system types, provide technical assistance to private and public injection well owners, and work closely with municipalities in their development of stormwater management plans related to injection systems. As a delegated program under the Safe Drinking Water Act, injection systems are subject to EPA enforcement.
Environmental Outcome: These activities help to ensure that adequate controls are in place so that UICs do not result in water quality standards exceedances, which will contribute to water quality improvements as measured by water quality monitoring and other environmental data.

#	DEQ Commitment	EPA Commitment	Outputs	Timeframe	Supported by PPG?	EPA PAM
3.1	Continue administration of UIC program by providing Authorization by Rule site reviews, developing and issuing PCF permits, assigning coverage to permit applicants under the WPCF general permit, and closures.	EPA will provide enforcement and compliance assistance as requested by and in close coordination with DEQ. EPA may provide input on WPCF permit conditions related to consistency with minimum federal requirements and ongoing SPA revisions in section 3.3.	Wells inventoried and registered per year; Authorization by Rule determination process (e.g., requesting additional information, providing clarification on application issues, retrofits) will occur as needed. Issue area wide UIC- WPCF permits as appropriate.	Ongoing	Partial	SDW-8, SDW-7b
3.2	Provide technical assistance to consultants, cities, municipalities and other public and private UIC owners.	EPA will provide inspector training opportunities; provide training/outreach to municipalities and other public and private UIC owners, as requested.	Technical assistance will include meetings with municipalities and other private and public UIC owners.	Ongoing	Partial	
3.3	Develop and refine a project plan, with deliverables and timelines, to address EPA identified UIC re-delegation issues. Deliverables may include rulemaking to address EPA issues which will commence after all identified issues are worked through and the rulemaking plan is approved by DEQ's Director.	EPA will review and provide timely comments on the project plan and on proposed rule revisions, if necessary. EPA will facilitate the scheduling of meetings with EPA HQ on technical and legal issues, as necessary.	A project plan identifying tasks, timelines and deliverables.	Initial plan complete. Pending agreement with EPA. Update plan milestones for – 20-22 PPA cycle.	Partial	
3.4	Provide UIC program approval package to EPA for redelegation	EPA will review program delegation	Program approval package submitted to EPA	Ongoing. Pending agreement with EPA and timing to	Partial	

#	DEQ Commitment	EPA Commitment	Outputs	Timeframe	Supported by PPG?	EPA PAM
	from EPA to DEQ for program primacy.	package in a timely manner.	includes and addresses the required program elements addressing program revisions for redelegation that results in program redelegation.	work through issues and rulemaking. The rulemaking will likely span PPA cycles once it commences.		
3.5	Prioritize inspection and compliance activities for UICs identified as high-environmental risk.	EPA will provide technical assistance to DEQ as needed.	Follow identified compliance and enforcement procedures for all inspections and conduct a minimum of 10 inspections per year.	Ongoing.	Partial	
3.6	Respond to complaints associated with discharges to UIC's in Oregon		Follow identified compliance and enforcement procedures asscoiated with complaints regarding unauthorized discharges into UICs throughout Oregon.		Partial	
3.7	Implementation of "Your DEQ Online," an electronic online system that will manage all aspects of DEQ's UIC program including applications, renewals, tracking, reporting, electronic payments and more.		Development and implementation of "Your DEQ Online" for all 46,000 plus UIC's registered in Oregon.	July 2021	Partial	

Element 4: Groundwater Program
DEQ contact: David Anderson and Aaron Borisenko
EPA contact: Karen Burgess, Mat Martinson and Michelle Tucker

The Groundwater Quality Protection Act of 1989 provides the framework for comprehensive groundwater management and protection in Oregon. This Act and the federal Safe Drinking Water Act establish the critical elements for enhancing and protecting Oregon's groundwater resource for its many beneficial uses. Over ninety percent of Oregon's available freshwater is stored beneath the earth's surface as groundwater. Approximately 70 percent of Oregon's people depend on groundwater for their daily water needs via private, public and industrial water wells.

Oregon focuses most of its groundwater protection activities in three sensitive groundwater areas called "Groundwater Management Areas"; one is located in the Lower Umatilla Basin, one in Northern Malheur County and another in the Southern Willamette Valley. Protection efforts in these management areas involve the implementation of groundwater action plans where the water quality has been degraded, beneficial uses are seriously impaired, and public health may be at risk in part from nonpoint source groundwater pollution. Oregon also implements a statewide groundwater monitoring program in one geographic area each year, and provides technical assistance to communities and watershed councils engaged in groundwater pollution prevention efforts.

Environmental Outcome: Groundwater protection efforts will help to prevent the degradation of Oregon's groundwater resources and maintain or improve the quality of groundwater resources, as measured through the various groundwater monitoring efforts DEQ conducts around the state.

#	DEQ Commitment	EPA Commitment	Outputs	Timeframe	Supported by PPG?	EPA PAM
4.1	Implement the Lower Umatilla Basin Groundwater Management Area Action Plan by focusing on agricultural, residential, commercial, industrial, municipal, and public water supply activities that will prevent and reduce nitrate contamination in groundwater. Enhance engagement with Oregon Department of Agriculture, wastewater	EPA will provide technical support as needed.	<u>Coordination</u> - Meet with local stakeholders, Groundwater Management Committee, and local agencies to coordinate Action Plan activities. - Complete update to Action Plan - Provide technical support. - Research BMPs and their effectiveness. <u>Education and Outreach</u> - Organize education and outreach efforts to increase awareness of groundwater vulnerability and BMPs,	Meet as needed; typically six meetings per year Ongoing Jan 2020 Ongoing Annually Ongoing Quarterly monitoring. As needed with new data. Every four years	Partial	

#	DEQ Commitment	EPA Commitment	Outputs	Timeframe	Supported by PPG?	EPA PAM
	permit holders and the recent and ongoing public-private irrigation water development program, targeting reversal of the increasing groundwater nitrate concentration trend in the LUB GWMA.		including participation at "outdoor schools" and farm fairs. - Maintain GWMA website. <u>Monitoring and Data Analysis</u> - Monitor groundwater quality at 33 domestic and irrigation wells quarterly to evaluate impacts and effectiveness of Action Plan. - Complete groundwater nitrate trend analysis for entire GWMA (including food processor sites) - Evaluate success of BMP awareness and implementation.			
4.2	Implement the Northern Malheur County Groundwater Management Area Action Plan by focusing on agricultural, residential, commercial, industrial, municipal and public water supply activities that will prevent and reduce nitrate	EPA will provide technical support as needed.	<u>Coordination</u> - Meet with local stakeholders, Groundwater Management Committee, and local agencies to coordinate Action Plan activities. - Provide technical support. - Research BMPs and their effectiveness. <u>Education and Outreach</u> - Organize education and	Meet as needed; typically one meeting per year Ongoing Ongoing Annually Annual monitoring.	Partial	

#	DEQ Commitment	EPA Commitment	Outputs	Timeframe	Supported by PPG?	EPA PAM
	contamination in groundwater.		outreach efforts to increase awareness of groundwater vulnerability and BMP. Monitoring and Data Analysis - Monitor groundwater quality at 36 domestic and irrigation wells once annully to evaluate impacts and effectiveness of Action Plan. - Complete groundwater nitrate trend analysis. - Evaluate success of BMP awareness and implementation.	Every four years		
4.3	Implement the Southern Willamette Valley Groundwater Management Area Action Plan by focusing on agricultural, residential, commercial, industrial, municipal and public water supply activities that will prevent and reduce nitrate contamination in groundwater.	EPA will provide technical support as needed.	Coordination - Facilitate information sharing and coordinate initiatives of local stakeholders, Groundwater Management Committee, and local agencies with implementation of Action Plan activities. - Provide technical support. - Research BMPs and their effectiveness. Education and Outreach	Two SWV GWMA Committee meetings per year Ongoing Ongoing Ongoing outreach/education with local stakeholders Ongoing One - four times per year Seventy per	Partial	

#	DEQ Commitment	EPA Commitment	Outputs	Timeframe	Supported by PPG?	EPA PAM
			Organize education and outreach efforts to increase awareness of groundwater vulnerability and BMPs, - Maintain GWMA website. <u>Monitoring and Data Analysis</u> - Monitor groundwater quality at 27 locations to evaluate impacts and effectiveness of Action Plan. - Evaluate success of BMP awareness and implementation.	biennium As scheduled		
4.4	Each year, one geographic areas will be identified for groundwater monitoring activities with complete coverage of the state over time. Groundwater monitoring locations and timing will be prioritized to complement other internal and external monitoring objectives.		<u>Monitoring and Data Collection</u> - Monitoring at approximately 50 wells (combination of domestic wells and monitoring wells) in a geographically targeted area of Oregon outside of the GWMA's. - Nitrates, arsenic and targeted analytes based on known or suspected risk factors.	Ongoing	No	
4.5	Complete federal and state groundwater		- Biennial Report to the legislature.	Ongoing As scheduled	Partial	

#	DEQ Commitment	EPA Commitment	Outputs	Timeframe	Supported by PPG?	EPA PAM
	reporting requirements.		- Groundwater component of 305(b) report.			
4.6	Participate in EPA-sponsored annual groundwater meetings and conferences as workload and resources allow.	EPA will provide timely notice and organization of meetings.	Meetings	As scheduled	Partial	

Non-responsive per agreement

Non-responsive per agreement

From: Martinson, Mathew <martinson.mathew@epa.gov>
Sent: Thursday, February 27, 2020 9:21 PM
To: Zanolli, Ashley <Zanolli.Ashley@epa.gov>
Subject: Oregon PPA Language

Ashley,

Karen Burgess had showed me language in the Oregon PPA related to monitoring of individual wells. I did some searching in the various items you've sent and I cannot find this. Do you know what I'm referring to? If so, could you send me an excerpt (or the whole document) tomorrow before we connect?

Looking forward to coffee with you tomorrow.

Mat

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